



# Refrigerator user manual



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## Safety information

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### SAFETY INFORMATION

- Before operating the appliance, please read this manual thoroughly and retain it at a safe place near the appliance for your future reference.

- Use this appliance only for its intended purpose as described in this instruction manual.









This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use

of the appliance by a person responsible for their safety.

- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual and not all warning signs may be applicable.

If you have any questions or concerns, contact your nearest service center or find help and information online at [www.samsung.com](http://www.samsung.com).

## Important safety symbols and precautions:

	Hazards or unsafe practices that may result in <b>severe personal injury or death.</b>
	Hazards or unsafe practices that may result in <b>minor personal injury or property damage.</b>
	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.



Call the contact center for help.



Note.

**These warning signs are here to prevent injury to you and others.**

**Please follow them carefully. After reading this section, keep it in a safe place for future reference.**

## CE Notice

This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC), the Electromagnetic Compatibility Directive (2004/108/EC), RoHS Directive (2011/65/EU), Commission Delegated Regulation (EU) No 1060/2010 and the Eco-Design Directive (2009/125/EC) implemented by Regulation (EC) No 643/2009 of the European Union. (For products sold in European Countries only)



## SEVERE WARNING SIGNS FOR TRANSPORTATION AND SITE

- ★ • When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
- R-600a or R-134a is used as a refrigerant.  
Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator.
- When this product contains flammable gas (Refrigerant R-600a),
  - Refrigerant leaking from the pipe work could ignite or cause an eye injury.  
If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
  - In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs,



the size of the room in which the appliance may be sited depends on the amount of refrigerant used.

- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer.  
The room where the refrigerator will be sited must be 1 m<sup>3</sup> in size for every 8 g of R-600a refrigerant inside the appliance.  
The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.
- Refrigerant squirting out of the pipes could ignite or cause an eye injury.  
When refrigerant leaks from the pipe, avoid any naked flames and move anything flammable away from the product and ventilate the room immediately.
- Failing to do so may result in fire or explosion.
- If the appliance contains isobutane refrigerant (R-600a), a natural gas with high environmental compatibility that is, however, also combustible.

When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.



## **SEVERE WARNING SIGNS FOR INSTALLATION**

-  • Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops).
- Deteriorated insulation of electrical parts may cause an electric shock or fire.
- Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliances.
- Do not plug several appliances into the same multiple power board. The refrigerator should always be plugged into its own individual electrical outlet which has a voltage rating that matched the rating plate.
- This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires. If the wall socket is loose, do not insert the power plug.
- There is a risk of electric shock or fire.
- Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Do not bend the power cord excessively or place heavy articles on it.
- Do not use aerosols near the refrigerator.
- Aerosols used near the refrigerator may cause an explosion or fire.
- Do not install this appliance in a location where gas may leak.
- This may result in an electric shock or fire.
-  • The installation or any service of this appliance is recommended by a qualified technician or service company.
- Failing to do so may result

in an electric shock, fire, explosion, problems with the product, or injury.

- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- Connect the power plug in proper position with the cord hanging down.
- If you connect the power plug upside down, wire can get cut off and a cause fire or an electric shock.
- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
- This constitutes a fire hazard.
- The appliance must be positioned so that the plug is accessible after installation.



- The refrigerator must be grounded.
- You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
- Never use gas pipes,

telephone lines or other potential lightening rods as ground.

- Improper use of the ground plug can result in an electric shock.



- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.
- The fuse on the refrigerator must be changed by a qualified technician or service company.
- Failing to do so may result in an electric shock or personal injury.




## CAUTION SIGNS FOR INSTALLATION



- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Allow the appliance to stand for 2 hours after installation.



## SEVERE WARNING SIGNS FOR USING

-  • Do not insert the power plug with wet hands.
- Do not store articles on the top of the appliance.
- When you open or close the door, the articles may fall and cause a personal injury and/or material damage.
- Do not put items filled with water on the refrigerator.
- If spilled, there is a risk of fire or electric shock.
- Do not let children hang on the door.
- Failure to do so may cause serious personal injury.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside the refrigerator.
- Do not allow babies or children go inside the drawer.
- It can cause death from suffocation by entrapment or personal injury.
- Do not sit on the Freezer door.
- The door may be broken and cause a personal injury.
- To prevent children entrapment, you must reinstall the divider using provided screws after cleaning or other actions if you removed the divider from the drawer.
- Never put fingers or other objects into the dispenser hole.
- Failure to do so may cause personal injury or material damage.
- Do not store volatile or flammable substances such as benzene, thinner, alcohol, ether or LP gas in the refrigerator.
- The storage of any of such products may cause an explosion.
- Do not store low temperature-sensitive pharmaceutical products, scientific materials or other low temperature-sensitive products in the refrigerator.
- Products that require strict temperature controls must not be stored in the refrigerator.
- Do not place or use electrical appliance inside the refrigerator, unless they are of a type recommended by the

manufacturer.

- Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odors.
- This may result in an electric shock or fire.
- Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
- This may cause frostbite.
- Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- Do not damage the refrigerant circuit.



- This product is intended only for the storage of food in a domestic environment.
- Bottles should be stored tightly together so that they do not fall out.
- In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug.

Do not touch the appliance or power cord.

- Do not use a ventilating fan.
- A spark may result in an explosion or fire.
- Use only the LED Lamps provided by manufacturer or service agent.
- Children should be supervised to ensure that they do not play with and/or climb into the appliance.



- Do not disassemble or repair the refrigerator by yourself.
- You run a risk of causing a fire, malfunction and/ or personal injury. In case of malfunction, please contact your service agent.



- If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service center.
- Failing to do so may result in an electric or fire hazards.
- If you experience difficulty when changing the light, contact service agent.



- If the product is equipped with the LED Lamp, do not disassemble the Lamp Cover and LED Lamp by yourself.
- Please contact your service agent.
- If any dust or water is in the refrigerator, pull out power plug and contact your Samsung Electronics service center.
- There is a risk of fire.



## CAUTION SIGNS FOR USING

- ★ • To get best performance from the product,
- Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
- Wrap the food up properly or place it in airtight containers before putting it into the refrigerator.
- Do not put any newly introduced food for freezing near to already existing food.
- Do not place carbonated

or fizzy drinks in the freezer compartment.

Do not put bottles or glass containers in the freezer.

- When the contents freeze, the glass may break and cause personal injury and property damage.
- Do not change or modify the functionality of the refrigerator.
- Changes or modifications may result in a personal injury and/or property damage. Any changes or modifications performed by a 3rd party on this completed appliance are neither covered under Samsung warranty service, nor is Samsung responsible for safety issues and damages that result from 3rd party modifications.
- Do not block air holes.
- If the air holes are blocked, especially with a plastic bag, the refrigerator can be over cooled. If this cooling period lasts too long, the water filter may break and cause water leakage.
- Do not put any newly introduced food for freezing

near to already existing food.

- Please observe maximum storage times and expiry dates of frozen goods.
- Do not spray volatile material such as insecticide onto the surface of the appliance.
- As well as being harmful to humans, it may also result in an electric shock, fire or problems with the product.
- Do not apply strong shock or excessive force onto the surface of glass.
- Broken glass may result in a personal injury and/or property damage.



## **CAUTION SIGNS FOR CLEANING AND MAINTENANCE**



- Do not directly spray water inside or outside the refrigerator.
- There is a risk of fire or electric shock.
- Do not use or place any substances sensitive to temperature such as inflammable sprays, inflammable objects, dry ice, medicine, or chemicals near the refrigerator.  
Do not keep volatile or inflammable objects or substances (benzene, thinner, propane gas, etc.) in the refrigerator.
- This refrigerator is for storing food only.
- This may result in a fire or an explosion.
- Do not spray cleaning products directly on the display.
- Printed letters on the display may come off.
- Remove any foreign matter or dust from the power plug pins.  
But do not use a wet or

damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins.

- Otherwise there is a risk of fire or electric shock.
- Never put fingers or other objects into the dispenser hole and ice chute.
- It may cause a personal injury or material damage.
- Clean the unreachable parts such as hinges by using brush or toothbrush.



- Unplug the refrigerator before cleaning and performing maintenance.
- If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service center.
- Failing to do so may result in an electric shock or fire.



## SEVERE WARNING SIGNS FOR DISPOSAL



- Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.
- R-600a or R-134a is used as a refrigerant.

Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator.

When this product contains flammable gas (Refrigerant R-134a), contact your local authority in regard to safe disposal of this product.

Cyclopentane is used as an insulation blowing gas.

The gases in insulation material require special disposal procedure.

Please contact your local authorities in regard to the environmentally safe disposal of this product.

Ensure that none of the pipes on the back of the appliances are damaged prior to disposal.

The pipes shall be broken in

the open space.

- When disposing of this product or other refrigerators, remove the door/door seals, door latch so that small children or animals cannot become trapped inside. Leave the shelves in place so that children may not easily climb inside. Children should be supervised to ensure that they do not play with the old appliance.
- Please dispose of the packaging material for this product in an environmentally friendly manner.



## **ADDITIONAL TIPS FOR PROPER USAGE**

- In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.
- Most power failures that are corrected within an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.
- Should the power failure last more than 24 hours, remove all frozen food.
- If keys are provided with the refrigerator, the keys should be kept out of the reach of children and not be in the vicinity of the appliance.
- The appliance might not operate consistently (possibility of temperature becoming too warm in the refrigerator) when sited for an extended period of time below the cold end of the range of temperature for which the refrigerating appliance is designed.
- Do not store food which

spoil easily at low temperature, such as bananas, melons.

- Your appliance is frost free, which means there is no need to manually defrost your appliance, as this will be carried out automatically.
- Temperature rise during defrosting can comply with ISO requirements. But if you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food up in several layers of newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.
- When you use this function the energy consumption of the refrigerator will increase. Remember to turn it off when you don't need it and return the freezer to your original temperature setting. If you need to freeze large amount of food stuff, activate Power Freeze function at least 24 hours before.

## Saving Energy Tips

- Install the appliance in a cool, dry room with adequate ventilation.

Ensure that it is not exposed to direct sunlight and never put it near a direct source of heat (radiator, for example).

- Never block any vents or grilles on the appliance.
- Allow warm food to cool down before placing it in the appliance.

- Put frozen food in the refrigerator to thaw. You can then use the low temperatures of the frozen products to cool food in the refrigerator.

- Do not keep the door of the appliance open for too long when putting food in or taking food out.

The shorter time for which the door is open, the less ice will form in the freezer.

- Clean the rear of the refrigerator regularly. Dust increases energy consumption.
- Do not set temperature colder than necessary.
- Ensure sufficient air exhaust at the refrigerator base

and at the back wall of the refrigerator.

Do not cover air vent openings.

- Allow clearance to the right, left, back and top when installing.

This will help reduce power consumption and keep your energy bills lower.

- For the most efficient use of energy, please keep the all inner fittings such as baskets, drawers, shelves on the position supplied by manufacturer.

# Setting up your refrigerator

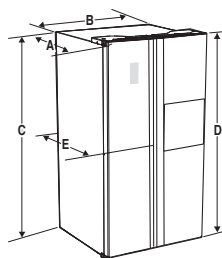
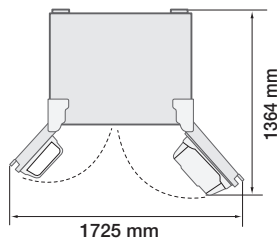
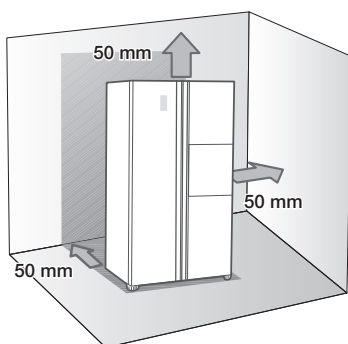
## GETTING READY TO INSTALL THE REFRIGERATOR

Congratulations on your purchase of the Samsung refrigerator.

We hope you enjoy the state-of-art features and efficiencies that this new appliance offers.

### Selecting the best location for the Refrigerator

- Select a location with easy access to a water supply.
- Select a location without direct exposure to sunlight.
- Select a location with level (or nearly level) flooring.
- Select a location with enough space for the refrigerator doors to open easily. See the diagram below.
- Select a location that allows sufficient space to the right, left, back, and top for air circulation. See the diagram below.
- Select a location that allows you to move the refrigerator easily if it needs maintenance or service.



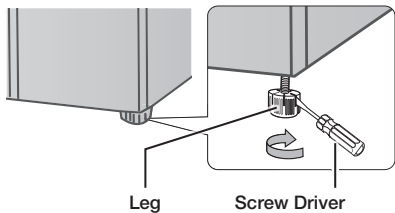
Model	RS803*
Depth "A"	785 mm
Width "B"	912 mm
Height "C"	1742 mm
Overall Height "D"	1779 mm
Depth "E"	877 mm



- Allow clearance to the right, left, back and top when installing. This will help reduce power consumption and keep your energy bills lower.
- Do not install the refrigerator in locations where the temperature is over 43 °C or below 5 °C.

When moving your refrigerator

To prevent floor damage, be sure the front leveling legs are in the up position (above the floor). Refer to "How to level the refrigerator" in the manual on page 19.



Flooring

For proper installation, you must place this refrigerator on a level, hard surface that is the same height as the rest of the floor. This surface should be strong enough to support a fully loaded refrigerator. To protect the finish of the flooring, cut a large section of the cardboard carton and place it under the refrigerator where you are working. When moving the refrigerator, you need to pull and push it straight forwards or back. Do not wiggle it from side to side.



Required Tools (Not provided)

Philips screwdriver (+)	Flat-blade screw driver (-)	Socket wrench 10 mm
Allen wrench 5 mm		

SETTING UP THE REFRIGERATOR

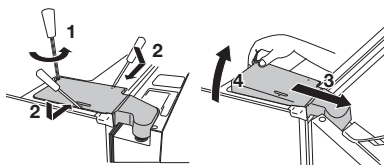
Now that you have your new Refrigerator installed in place, you are ready to set up and enjoy the features and functions of the appliance. By completing the following steps, your Refrigerator should be fully operational. If not, first check the power supply and electricity source or try the troubleshooting section at the back of this user's guide. If you have any further questions, contact your Samsung Electronics service center.

1. Place the Refrigerator in an appropriate location with reasonable clearance between the wall and the Refrigerator. Refer to installation instructions in this manual.
2. Once the Refrigerator is plugged in, make sure the interior light comes on when you open the doors.
3. Set the Temperature control to the coldest temperature and wait for an hour. The Freezer will get slightly chilled and the motor will run smoothly.
4. After powering the Refrigerator, it will take a few hours to reach the appropriate temperature. You can store food and drinks in the Refrigerator after the temperature is sufficiently cool.

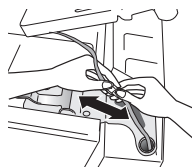


## DISASSEMBLE THE FREEZER DOORS

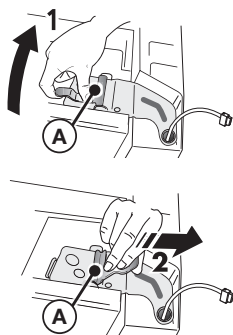
1. Remove the cover screw using a Phillips screwdriver (1). Then push the hooks on the sides using a flathead screwdriver to loosen the cover (2). Open the refrigerator door and lift up the back part of the cover (3) and then pull the cover up and towards you to detach it (4).
- Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.



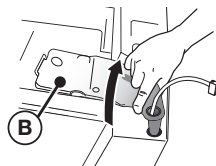
2. Remove the hinge cover and then disconnect the electrical wire connector.



3. Flip the clamp (A) up in direction 1 and then pull it off in direction 2.



4. Remove the hinge (B).



5. Lift up the door and detach it from the refrigerator.



- Be careful not to damage the electrical wires when assembling or disassembling the doors.
- Make sure the doors do not fall over and become damaged while they are detached from the refrigerator.

## RE-ATTACHING THE FREEZER DOORS



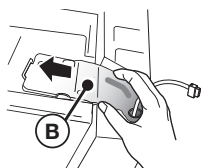
- Be sure to re-attach the Freezer Door before re-attaching the Fridge Door.
- Before re-attaching, make sure that all the wire connectors at the bottom of the Freezer Door are connected.

### How to Assemble Door

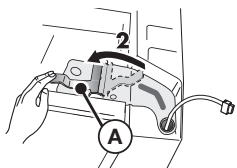
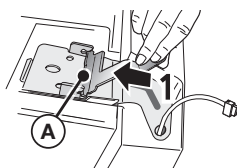
1. Attach the doors to the hinges at the bottom of the refrigerator.



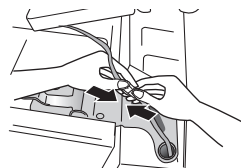
2. Insert the hinge (B) into the hinge slot on the refrigerator and then press down over the hinge hole on the door.



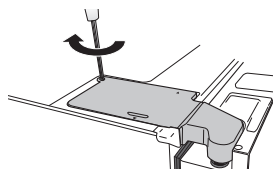
3. Insert the clamp (A) in the direction of arrow (1) and then lower it in the direction of arrow (2) to lock it in place.



4. Hook up the electrical wire connector



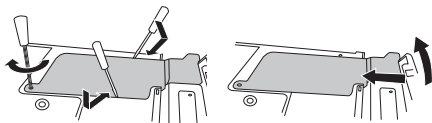
5. Insert the front part of the cover first, push down on the back part of the cover, and then secure the cover in place using a Phillips screwdriver.



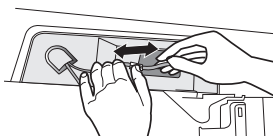
- The doors can be assembled in the reverse order of their disassembly.
- The display may not function properly if you neglect to connect the electrical wires while assembling the door.

## DISASSEMBLE THE REFRIGERATOR DOORS

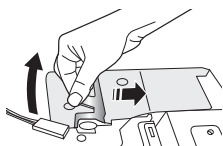
1. Disconnect the power cord, and disassemble one screw on the upper hinge cover. Insert the blade of a flat driver into the service grooves on the both sides of the cover, and lift and pull forward the cover to remove.



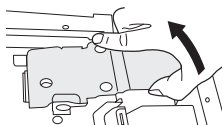
2. Disassemble the housing connector.



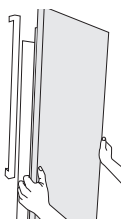
3. Push the fixer hinge up, and pull it forward to remove it.



4. Disassemble the top hinge from the front of the door.



5. Disassemble the entire door.



## RE-ATTACHING REFRIGERATOR DOORS

To reattach the REFRIGERATOR doors, assemble parts in reverse order.

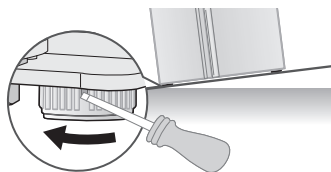
## LEVELING THE REFRIGERATOR AND ADJUSTING HEIGHT AND GAP OF THE DOORS

### How to level the refrigerator

Setting up the refrigerator on an uneven surface will cause the refrigerator to be uneven.

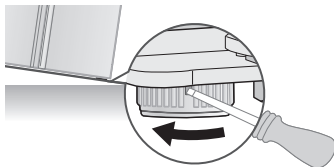
#### If the freezer side is lower:

- Insert a flathead screwdriver into the height leveler located at the bottom back of the freezer door and turn it in the direction of the arrow until it is level.



### If the refrigerator side is lower:

- Insert a flathead screwdriver into the height leveler located at the bottom back of the refrigerator door and turn in the direction of the arrow until it is level.

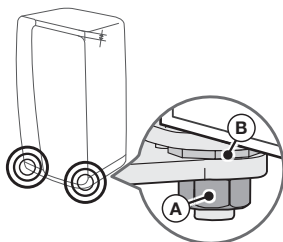


- Raise the front of the refrigerator so that the doors close by themselves. Adjusting the levelers so that the back of the refrigerator is much higher than the front of the refrigerator can make it difficult to open the doors.
- If the back of the refrigerator is not level, support the bottom with an appropriately sized object and secure the object in place using tape. Slide the refrigerator into its spot and then adjust the level.
- When pushing the refrigerator in, be careful not to damage the floor.

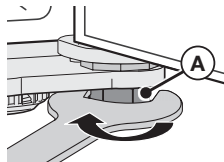
## How to adjust the door height

### If one door is lower than the other:

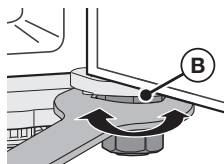
- The door height levels can be adjusted using the adjustment nuts located at the bottom of each door.
- Raising the door too high can cause the door to interfere with the hinge cover when it is opened or closed.



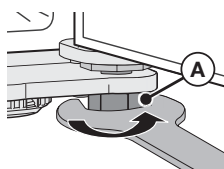
1. Open the door that needs to be adjusted and loosen the clamping nut (A) at the bottom of the door by turning it in the clockwise direction (↻) using the spanner included in the product package. (Raise the lower of the two doors first.)



2. Adjust the height of the door by turning the adjustment nut (b) in the counterclockwise direction (↺) with a spanner. (Turn it in the counterclockwise direction (↺) to increase the height of the door and in the clockwise direction (↻) to decrease it.)
- Open the door and adjust it from the inside.



3. Once the doors are level, turn the clamping nut (a) in the counterclockwise direction (↺) to tighten it.



- Adjusting the level when the refrigerator is empty can result in the refrigerator becoming uneven again once items have been placed inside. If this occurs, adjust the level again.

## How to adjust the door gap

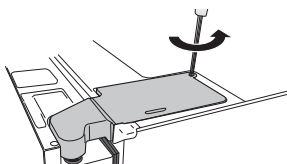
If the gap between the refrigerator door and the freezer door is uneven:

- Use the gap adjustor located at the top of the refrigerator door (right side).
- Excessive force can cause the adjustor bolt to break.

1. Remove the refrigerator door's hinge cover.
  - Detach the hinge cover with the door open and then close the door once the hinge cover has been detached.

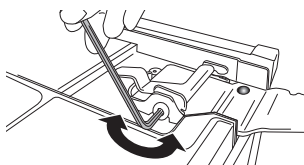


2. Adjust the gap using a 4 mm Allen wrench (not included).



3. Rotate the bolt in the clockwise direction (↻) to widen the gap. Rotate it in the counterclockwise direction (↺) to narrow the gap.

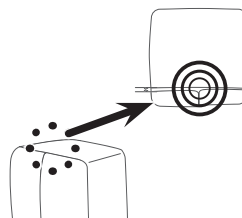
Adjust until the gap between the refrigerator door and the freezer door appears even.



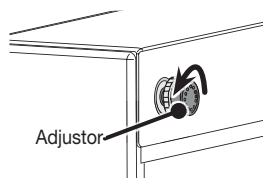
## How to adjust the refrigerator door gap (back)

If the gap between the refrigerator door and the refrigerator is uneven:

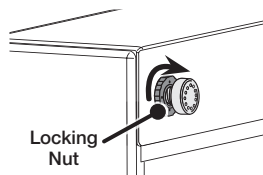
- Use the adjustors located at the top edge inside each door.



1. Open the door where the gap with the refrigerator is narrower and then turn the adjustor in the counterclockwise direction (↺) until the gap is even.



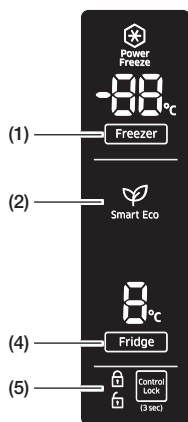
2. Once the gap between the door and the refrigerator has been adjusted, turn the adjustor nut in the clockwise direction (↻) to lock the adjustor in place.



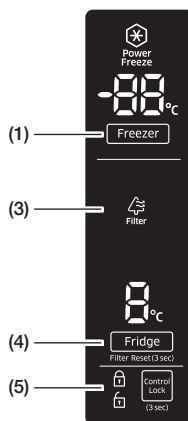
# Operating your samsung refrigerator

## USING THE CONTROL PANEL

### RS803GHME\*



### RS803GHMC\*



#### (1) Freezer

This is used to adjust the freezer temperature setting (between -23 °C and -17 °C).

#### (2) Smart Eco

This feature uses 7 sensors to monitor the operating environment, usage pattern, and refrigerator status and selects the optimal operating mode.

#### (3) Filter

This is used to remove harmful bacteria in the refrigerator.

#### (4) Fridge

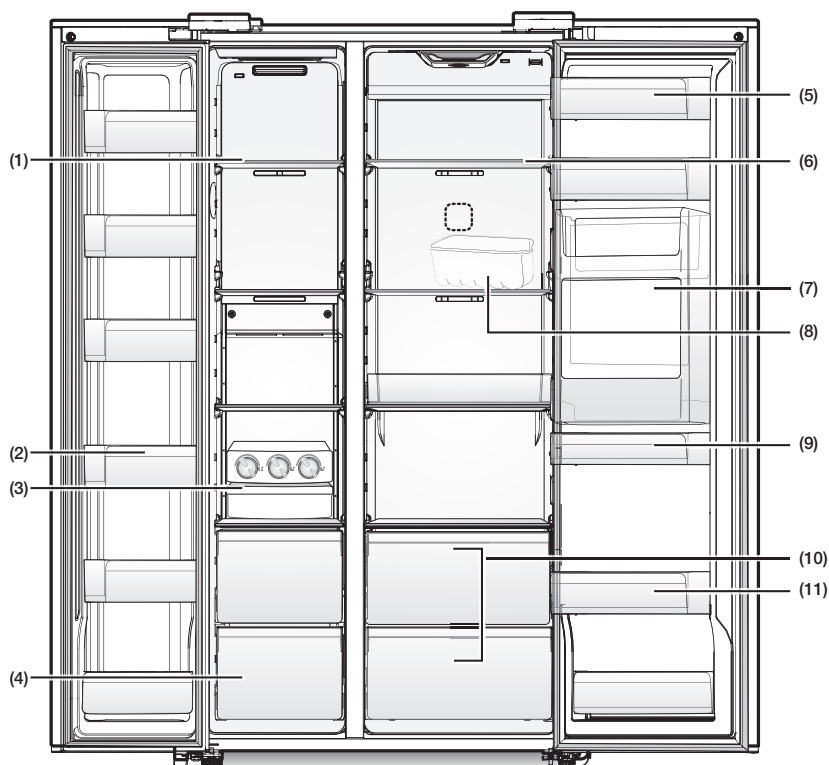
Eliminates foul odors from the refrigerator.

#### (5) Lock/Unlock

Press and hold for 3 seconds to lock (🔒) / unlock (🔓) the refrigerator.

## PARTS AND FEATURES

Use this page to become more familiar with the parts and features of the Refrigerator.



OPERATING

### **( 1 ) Freezer Shelves**

This is used for storing meat, fish, frozen dumplings, ice cream and other types of frozen food.

### **( 2 ) Multipurpose Freezer Compartments**

Features tall freezer compartments for more efficient food storage. However, do not use these compartments for ice cream or items you intend to store for a long time.

### **( 3 ) Ice Bin**

This is used for storing ice. Alternatively, you can take out the bin and free up more space inside the freezer.

### **( 4 ) Dried Food and Meat Storage Bin**

This is used for long-term storage of dried food and meat. Wrap the items in aluminum foil or kitchen wrap before storing them.

### **( 5 ) Cheese Case**

This is used for storing eggs, cheese, butter, and other types of dairy products.

### **( 6 ) Refrigerator Shelves**

This is used for storing general types of food that require refrigeration.

### **( 7 ) Big Home Bar**

This is used for storing frequently used food and beverages.

The home bar consists of two compartments. You can store dairy products in one compartment and beverages in the other one.

### **( 8 ) Egg Container**

This is used for storing eggs.

### **( 9 ) Cheese Case**

This is used for storing eggs, cheese, butter, and other types of dairy products.

### **( 10 ) Well-Being Vegetable Bin**

This is used for keeping fruit and vegetables fresh.

### **( 11 ) Large Beverage Compartment**

This is used for storing milk, juice, beer, and other types of beverages in large containers.



- If you plan to go away for a significant time, empty the refrigerator and turn it off. Wipe the excess moisture from the inside of the appliance and leave the doors open. This helps keep odor and mold from developing.
- If the refrigerator is not to be used for a long period of time, pull out the power plug.
- Deterioration in the power cord insulation may cause fire.



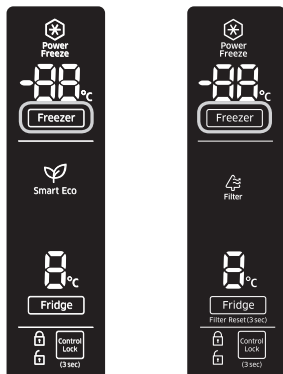
## CONTROLLING THE TEMPERATURE

### Basic temperature of Freezer and Refrigerator Compartments

The basic and recommended temperatures of the Freezer and Fridge compartments are 0 °F and 37 °F (or -18 °C and 3 °C) respectively.

If the temperature of the Freezer or Refrigerator Compartments are too high or low, adjust the temperature manually.

### FREEZER TEMPERATURE ADJUSTMENTS



Adjust the freezer temperature as follows:

The freezer temperature is adjusted using the [Freezer] button.

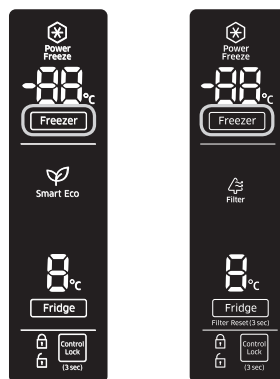
Pressing the [Freezer] button cycles through the settings in the following order: -20 °C → -21 °C → -22 °C → -23 °C → Rapid Freeze °C → -17 °C → -18 °C → -19 °C.



- The freezer's temperature will fluctuate depending on how frequently the freezer door is opened, how many items are stored inside the freezer, and the ambient temperature.
- The temperature level inside the freezer varies between different compartments and bins.
- When the temperature inside the freezer falls

below the configured level, the temperature display begins to flash. The display will stop flashing once the temperature is normalized. If the display does not stop flashing, contact a local service center.

### RAPID FREEZE SETUP



Set up the rapid freeze function as follows:

To store large quantities of food, set up this function at least 20 hours in advance.

Press the [Freezer] button to turn on the icon ( ).

Each time you press the button, the temperature setting changes in the order of -20 °C → -21 °C → -22 °C → -23 °C → Rapid Freeze °C → -17 °C → -18 °C → -19 °C.

The rapid freeze function turns off automatically after 72 hours (tolerance: 1 hour). Then, the freezer operates at -20 °C.

To cancel the Rapid Freeze function, press the [Freezer] button again.

The Rapid Freeze icon ( ) turns off.

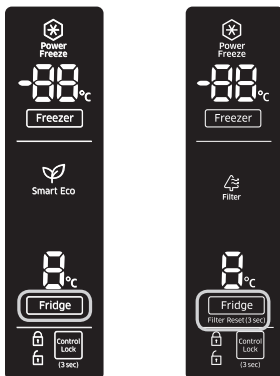


- If the controls are unresponsive, check the panel's Lock/Unlock status. If locked, press and hold the Lock/Unlock button for three seconds until the unlock icon ( ) appears.



- The temperature of the Freezer or Fridge may rise when you open the doors too frequently, or if a large amount of warm or hot food is placed inside.
- This may cause the digital display to blink. Once the Freezer and Fridge temperatures return to their normal set temperatures, the blinking will stop.
- If the blinking continues, you may need to “reset” the Refrigerator.  
Try unplugging the appliance, wait for around 10 minutes, and then plug the power cord back in.

## REFRIGERATOR TEMPERATURE ADJUSTMENTS



Adjust the refrigerator temperature as follows:

The freezer temperature is adjusted using the [Refrigerator] button.

Each time you press the [Refrigerator] button, the temperature setting changes in the order of 2 °C → 1 °C → 0 °C → 5 °C → 4 °C → 3 °C.



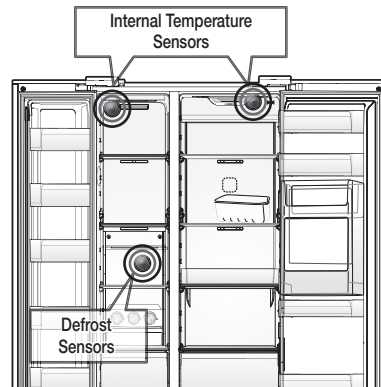
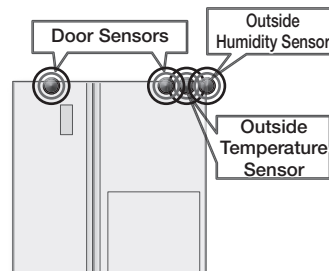
- The freezer's temperature will fluctuate depending on how frequently the freezer door is opened, how many items are stored inside the freezer, and the ambient temperature.

- The temperature level inside the refrigerator may vary between different shelves and compartments.
- When the temperature inside the freezer falls below the configured level, the temperature display begins to flash. The display will stop flashing once the temperature is normalized. If the display does not stop flashing, contact a local service center.

## SMART ECO FEATURES

### Smart Eco System

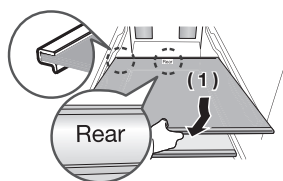
Keep freshness of food using 7 sensors according to the operating environment, usage pattern and the refrigerator operating status while saving electricity costs.



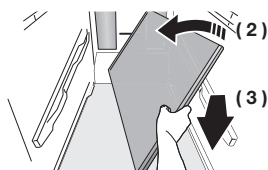
## REMOVING THE REFRIGERATOR ACCESSORIES

### 1. Shelves (Freezer/Fridge)

- Open the door completely and then lift up the shelf as you pull it out to remove it.



- If you are unable to open the door completely, pull out the shelf, lift it up, and turn it to remove it.



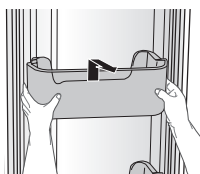
Be careful not to insert the shelf upside down and put the contrary.



Glass containers can scratch the surface of the glass shelves.

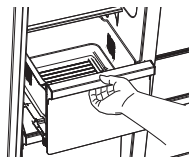
### 2. Door Bin

- Remove the Door Bin by holding the door bin with both hands and then gently lift it up.



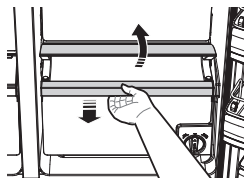
### 3. Drawer

- Remove the Drawer by pulling it out and lifting it up slightly.



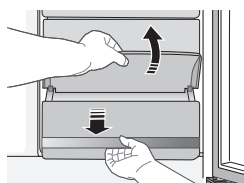
### 4. Vegetable Bin/Dry Bin Cover

- Take out the bin above the Vegetable Bin (refrigerator)/Dry Bin (freezer).
- Press down on the clips on either side of the Vegetable Bin (refrigerator)/Dry Bin (freezer) and pull them out towards you to remove the bin.



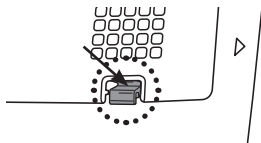
### 5. Vegetable Bin/Dry Bin

- Before taking out the Vegetable Bin/Dry Bin, you need to remove the multipurpose compartments from the door.
- Lift the bin up slightly as you pull it out.



#### 6. Removing the Deodorizer

- Pull out the shelf slightly and then pull out the unit while pushing the deodorizer cover clip up using a flathead screwdriver.



#### 7. Cleaning the Deodorizer

- Clean the deodorizer once every two years or whenever you feel its performance has diminished.
- Dry the deodorizer under the sun for 24 hours and then replace it in the reverse order of its removal.

## CLEANING THE REFRIGERATOR



- Do not use benzene, thinner, Clorox, or car detergent to clean the refrigerator. They can damage the surface of the appliance and may cause a fire.
- Do not spray the refrigerator with water while it is plugged in. This can cause an electric shock. To clean the refrigerator, follow these steps:

1. Unplug the power cord of the refrigerator.
2. Slightly dampen a soft lint-free cloth or paper towel with water.



Do not use any kind of detergent to clean the refrigerator because that can discolor or damage the refrigerator.

3. Wipe the inside and outside of refrigerator until it is clean and dry.
4. Plug the power cord of the refrigerator back in.

## CHANGING THE INTERIOR LIGHTS

### Freezer / Fridge LED Lamp

- If the LED Lamp Cover is stained with foreign substances, the LED lamp may not look bright. Wipe the surface cover with clean dry cloth to return the light to full brightness.



Do not disassemble or replace the LED type lighting yourself.

To replace the LED lights, contact a Samsung service center or your authorized Samsung dealer.

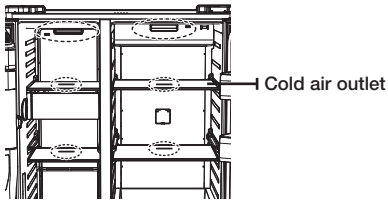


If you attempt to replace the LED lamps yourself, you risk subjecting yourself to an electric shock or serious personal injury.

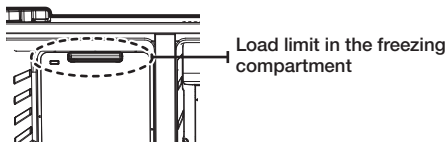
## TO IMPROVE THE COOLING PERFORMANCE



If the cold air outlet is blocked by food items, the cold air cannot penetrate the entire compartment and will be unable to freeze the food efficiently which results in a degraded cooling performance.



In particular, there is load limit at the top of the freezing compartment. Please do not put food items above this limit.



# Troubleshooting

PROBLEM	SOLUTION
<b>The refrigerator does not work at all or it does not chill sufficiently.</b>	<ul style="list-style-type: none"> <li>• Check that the power plug is properly connected.</li> <li>• Is the temperature control on the display panel set to the correct temperature? Try setting it to a lower temperature.</li> <li>• Is the refrigerator in direct sunlight or located too near a heat source?</li> <li>• Is the back of the refrigerator too close to the wall and therefore keeping air from circulating?</li> </ul>
<b>The food in the fridge is frozen.</b>	<ul style="list-style-type: none"> <li>• Is the temperature control on the display panel set to the correct temperature? Try setting it to a warmer temperature.</li> <li>• Is the temperature in the room very low?</li> <li>• Did you store the food with a high water content in the coldest part of the fridge?</li> </ul>
<b>You hear unusual noise or sounds.</b>	<ul style="list-style-type: none"> <li>• Check that the refrigerator is level and stable.</li> <li>• Is the back of the refrigerator too close to the wall and therefore keeping air from circulating?</li> <li>• Was anything dropped behind or under the refrigerator?</li> <li>• If you hear a "ticking" sound from inside the refrigerator, this is normal. It occurs because various parts contract or expand in response to temperature changes in the refrigerator interior.</li> </ul>
<b>The front corners of the appliance are hot and condensation is occurring.</b>	<ul style="list-style-type: none"> <li>• Some heat is normal as anti-condensators are installed in the front corners of the refrigerator to prevent condensation.</li> <li>• Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.</li> <li>• Water condensation in a drawer may occur if the drawer contains vegetables. The condensation will dissipate naturally as time passes.</li> </ul>
<b>There is a bad smell in the refrigerator.</b>	<ul style="list-style-type: none"> <li>• Has a food item spoiled?</li> <li>• Make sure that strong smelling food (for example, fish) is wrapped so that it is airtight.</li> <li>• Clean out your freezer periodically and throw away any spoiled or suspect food.</li> </ul>
<b>Frost forms on the walls of the freezer.</b>	<ul style="list-style-type: none"> <li>• Is the air vent blocked? Remove any obstructions so air can circulate freely.</li> <li>• Allow sufficient space between the foods stored for efficient air circulation.</li> <li>• Is the freezer door closed properly?</li> </ul>

# Memo

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## Ambient Room Temperature Limits

This refrigerator is designed to operate in ambient temperatures specified by its temperature class marked on the rating plate.

Class	Symbol	Ambient Temperature range(°C)	
		IEC 62552 (ISO 15502)	ISO 8561
Extended Temperate	SN	+10 to +32	+10 to +32
Temperate	N	+16 to +32	+16 to +32
Subtropical	ST	+16 to +38	+18 to +38
Tropical	T	+16 to +43	+18 to +43



Internal temperatures may be affected by such factors as the location of the fridge/freezer, ambient temperature and the frequency with which you open the door. Adjust the temperature as required to compensate for these factors.

### English



### Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

**(Applicable in countries with separate collection systems)**

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For more information on safe disposal and recycling, visit our web site [www.samsung.com](http://www.samsung.com) or contact our Helpline numbers on below contact SAMSUNG WORLD WIDE.

### Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

COUNTRY	CALL	Web site
AUSTRIA	0800 - SAMSUNG (0800 - 7267864)	<a href="http://www.samsung.com/at/support">www.samsung.com/at/support</a>
COLOMBIA	Bogotá 600 12 72 Gratis desde cualquier parte del país 01 8000 112 112 ó desde su celular #SAM(726)	<a href="http://www.samsung.com/co/support">www.samsung.com/co/support</a>
EIRE	0818 717100	<a href="http://www.samsung.com/ie/support">www.samsung.com/ie/support</a>
HONG KONG	(852) 3698-4698	<a href="http://www.samsung.com/hk/support">www.samsung.com/hk/support</a> (Chinese) <a href="http://www.samsung.com/hk_en/support">www.samsung.com/hk_en/support</a> (English)
INDIA	1800 3000 8282 - Toll Free 1800 266 8282 - Toll Free 30308282 - Non Toll Free	<a href="http://www.samsung.com/in/support">www.samsung.com/in/support</a>
MALAYSIA	1800-88-9999	<a href="http://www.samsung.com/my/support">www.samsung.com/my/support</a>
NEW ZEALAND	0800 SAMSUNG (0800 726 786)	<a href="http://www.samsung.com/nz/support">www.samsung.com/nz/support</a>
PANAMA	800-7267 800-0101	<a href="http://www.samsung.com/latin/support">www.samsung.com/latin/support</a> (Spanish) <a href="http://www.samsung.com/latin_en/support">www.samsung.com/latin_en/support</a> (English)
PHILIPPINES	1-800-10-7267864 [PLDT] 1-800-8-7267864 [Globe landline and Mobile] 02-4222111 [Other landline]	<a href="http://www.samsung.com/ph/support">www.samsung.com/ph/support</a>
SINGAPORE	1800-SAMSUNG(726-7864)	<a href="http://www.samsung.com/sg/support">www.samsung.com/sg/support</a>
SOUTH AFRICA	0860-SAMSUNG (726-7864)	<a href="http://www.samsung.com/support">www.samsung.com/support</a>
U.K	0330 SAMSUNG (7267864)	<a href="http://www.samsung.com/uk/support">www.samsung.com/uk/support</a>



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